

## **Mastic asphalt for waterproofing - Definitions, requirements and test methods**

Mastic asphalt for waterproofing - Definitions,  
requirements and test methods

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12970:2001 sisaldab Euroopa standardi EN 12970:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.02.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12970:2001 consists of the English text of the European standard EN 12970:2000.</p> <p>This document is endorsed on 16.02.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This standard specifies mastic asphalts for waterproofing, states their characteristics, the test methods to be used to verify these characteristics, and their manufacturing and transport recommendations.</p> <p>It applies to mastic asphalts used for waterproofing or by application on polymer bitumen sheets in the construction and civil engineering fields, such as roofing, parking, tanking, bridge decks (concrete and steel). It does not include functional requirements to the installed products.</p>	<p><b>Scope:</b></p> <p>This standard specifies mastic asphalts for waterproofing, states their characteristics, the test methods to be used to verify these characteristics, and their manufacturing and transport recommendations.</p> <p>It applies to mastic asphalts used for waterproofing or by application on polymer bitumen sheets in the construction and civil engineering fields, such as roofing, parking, tanking, bridge decks (concrete and steel). It does not include functional requirements to the installed products.</p>
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**ICS** 91.100.50, 93.080.20

**Võtmesõnad:** classifi, composition, conglomerates, construction engineering, construction materials, definition, definitions, design, mastic asphalts, production, properties, protective coat, sealing, specification (approval), specifications, testing, transport, waterproof sheeting

ICS 91.100.50; 93.080.20

**English version**

**Mastic asphalt for waterproofing**

Definitions, requirements and test methods

Asphalte coulé pour étanchéité –  
Définitions, spécifications et  
méthodes d'essai

Gussasphalt und Asphaltmastix für  
Abdichtungen – Definitionen,  
Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 2000-07-05.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 314 "Mastic asphalt for waterproofing", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This European standard specifies mastic asphalts for waterproofing, states their characteristics, the test methods to be used to verify these characteristics, and their manufacturing and transport recommendations.

It applies to mastic asphalts used for waterproofing or by application on polymer bitumen sheets in the construction and civil engineering fields, such as roofing, parking, tanking, bridge decks (concrete and steel). It does not include functional requirements to the installed products.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1871, *Road marking materials - Physical properties.*

EN 12591, *Bitumen and bituminous binders- Specifications for paving grade bitumen.*

EN 1426, *Bitumen and bituminous binders – Determination of needle penetration.*

pEN 13305, *Bitumen and bituminous binders - Specifications of hard grade bitumen.*

prEN 13043, *Aggregates for bituminous mixtures and surface dressings for roads airfields and other trafficked areas.*

prEN 13108-6, *Bituminous mixtures – Material specifications – Part 6 : Mastic Asphalt.*

prEN 13108-10, *Bituminous mixtures – Quality – Part 10 : Factory production control.*

prEN 12697-20, *Bituminous mixtures - Part 20 : Test methods for hot mix asphalt - Resistance to indentation of mastic asphalt, indentation test on cubes.*

prEN 12697-21, *Bituminous mixtures - Part 21 : Test methods for hot mix asphalt – Resistance to indentation of mastic asphalt, indentation test on plates.*

## 3 Definitions and description of the materials

### 3.1 Terminology - Vocabulary

For the purposes of this standard, the following definitions apply :

#### 3.1.1

##### **mastic asphalt (general definition)**

dense mass consisting of chippings, and/or sand, and/or limestone fine aggregate, and/or filler and bitumen which may contain additives

The mineral aggregate is composed to be of low void content. The binder content is so adjusted to the void content of the mineral aggregate that the voids are completely filled and a slight excess of binder may be available.

Mastic asphalt is pourable and able to be spread in his hot condition. It requires no compaction on placement.

#### 3.1.2

##### **fine aggregate mastic asphalt**

grade of mastic asphalt consisting of filler and/or limestone fine aggregate and/or natural rock asphalt powder and/or sand and bitumen. Bitumen and mastic asphalt may contain additives